



# Best Available Copy

HP Docket No. 10007622-1

## DECLARATION UNDER C.F.R. §1.131

1. I, Darrel Cherry, employee of the Hewlett-Packard Company, am the inventor of the subject matter disclosed in U.S. Patent Application 09/804,607 (the "607 application").
2. I conceived the subject matter of the '607 application on a date prior to 8 March 2001 and I filled out an invention disclosure form of the Hewlett-Packard Company, a copy of which is attached hereto as Exhibit A (the dates of which have been redacted per the instructions of one of my attorneys).
3. All activities associated with this invention, including conception and preparation of the '607 application took place in the United States.
4. The invention disclosure form that described the subject matter of the '607 application was provided to the Hewlett-Packard legal department for the purpose of determining whether a patent application should be pursued.
5. Upon information and belief, the Hewlett-Packard legal department regularly and periodically reviews invention disclosure forms that are submitted for the purpose of determining whether patent applications should be prepared and filed.
6. Upon information and belief, it was determined that a patent application should be prepared and filed based upon our invention disclosure and that the invention disclosure was referred to outside counsel for preparation of a patent application.
7. Upon information and belief, Paul Qualey, Esquire, was sent a copy of the invention disclosure under cover letter and was requested to prepare a U.S. patent application based upon the subject matter included therein.
8. Paul Qualey, Esquire sent me a draft application. After I reviewed the draft application, Mr. Qualey and I discussed the invention and revisions to the draft were

proposed. I subsequently received a revised draft application, which we also discussed.

9. After I approved the final draft of the application, it was sent to the Hewlett Packard Company legal department for review.

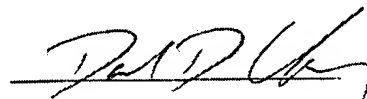
10. Upon information and belief, the Hewlett Packard Company legal department reviewed the final draft of the application and authorized Mr. Qualey to file the application with the U.S. Patent and Trademark Office (U.S.P.T.O).

11. A copy of the formal declaration for the patent application was provided to me by Mr. Qualey under cover letter of March 8, 2001.

12. On March 9, 2001, I reviewed the final draft of the patent application and signed the formal declaration, which was then returned to Mr. Qualey for filing with the U.S.P.T.O.

13. The patent application that is now identified as the '607 application was filed with the U.S.P.T.O. on March 12, 2001.

I hereby declare: (a) that all statements made herein of my own knowledge are true; (b) that all statements made on information and belief are believed to be true; (c) that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code; and (d) that such willful false statements may jeopardize the validity of the application or any patent issued thereon.



Darrel Cherry

Date: 8/12/2005

## H INVENTION DISCLOSURE

PAGE ONE OF 12

PDNO

10007622

DATE RCVD

ATTORNEY

LAM

**Instructions:** The information contained in this document is **COMPANY CONFIDENTIAL** and may not be disclosed to others without prior authorization. Submit this disclosure to the HP Legal Department as soon as possible. No patent protection is possible until a patent application is authorized, prepared, and submitted to the Government.

## Descriptive Title of Invention:

Mobile Remote Internet Printing from Intranet Server

Name of Project:

Product Name or Number:

Was a description of the invention published, or are you planning to publish? If so, the date(s) and publication(s):

No

Was a product including the invention announced, offered for sale, sold, or is such activity proposed? If so, the date(s) and location(s):

No.

Was the invention disclosed to anyone outside of HP, or will such disclosure occur? If so, the date(s) and name(s):

No

If any of the above situations will occur within 3 months, call your IP attorney or the Legal Department now at 1-898-4919 or 970-898-4919.

Was the invention described in a lab book or other record? If so, please identify (lab book #, etc.)

No

Was the invention built or tested? If so, the date:

No.

Was this invention made under a government contract? If so, the agency and contract number:

No

**Description of Invention:** Please preserve all records of the invention and attach additional pages for the following. Each additional page should be signed and dated by the inventor(s) and witness(es).

- A. Prior solutions and their disadvantages (if available, attach copies of product literature, technical articles, patents, etc.).
- B. Problems solved by the invention.
- C. Advantages of the invention over what has been done before.
- D. Description of the construction and operation of the invention (include appropriate schematic, block, & timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)

Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date:

Darrel D. Cherry

Signature

Telnet

Mailstop

iIPS Boise Lab

Entity &amp; Lab Name

Employee No.

Name

Signature

Telnet

Mailstop

Entity &amp; Lab Name

Employee No.

Name

Signature

Telnet

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Employee No.

Name

Signature

Telnet

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Entity &amp; Lab Name

Employee No.


Name

(If more than four inventors, include additional information on another copy of this form and attach to this document)




**Signature of Witness(es):** *(Please try to obtain the signature of the person(s) to whom invention was first disclosed.)*

The invention was first explained to, and understood by, me (us) on this date: [ ]

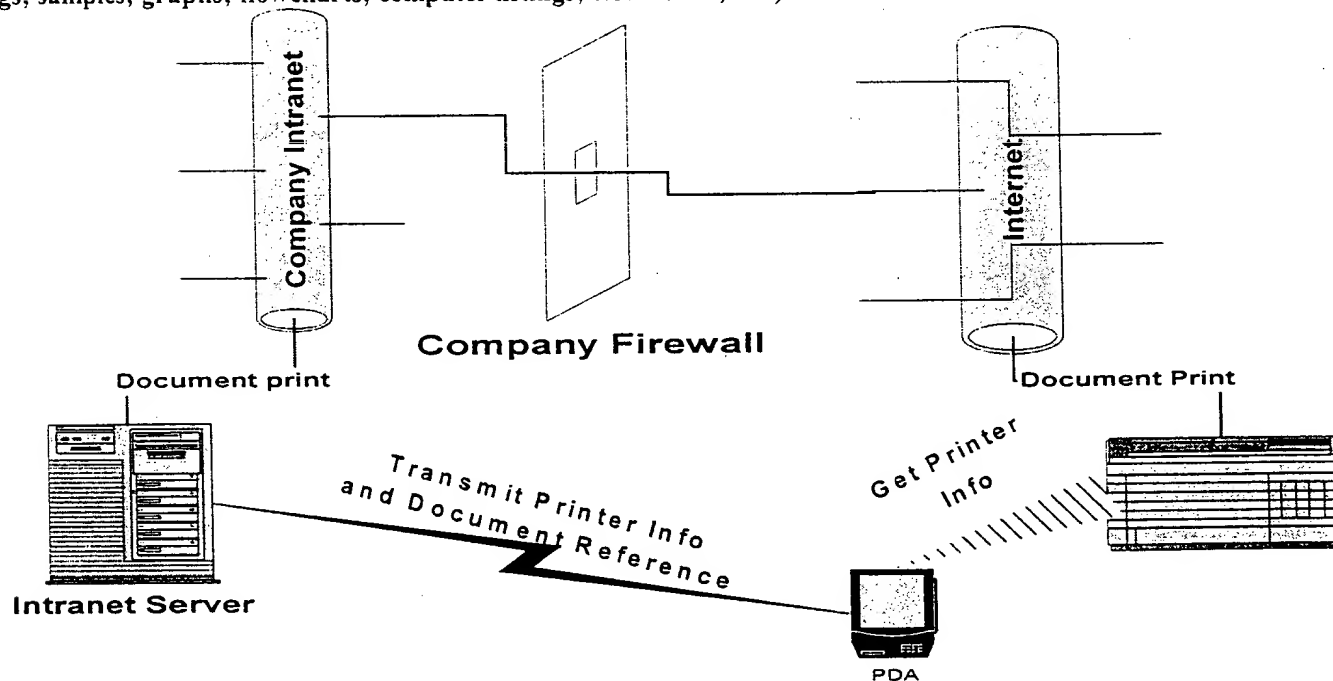
Full Name	Signature	Date of Signature
Garth Frederick Schmeling		
Full Name	Signature	Date of Signature

Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date:

Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
	Darrel D. Cherry				

## Mobile Remote Internet Printing from Intranet Server

A. Description of the construction and operation of the invention (include appropriate schematic, block, and timing diagrams; drawings; samples; graphs; flowcharts; computer listings; test results; etc.)

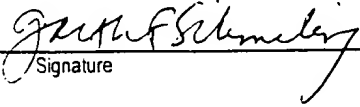



This invention describes a method to do remote Internet printing using an Intranet server. This is accomplished by an Intranet print server that has Internet communication capabilities (such as a proxy server, etc.), a remote device (such as a PDA) that has references to documents that reside on a company Intranet and that the Intranet server can access, and a remote printer on the internet that the remote device wants to print to. The remote device then communicates with an Internet printer and retrieves the information from that printer that the Intranet print server needs to print. The remote device then uploads the information about the Internet printer along with the document reference that it would like to print. The Intranet server then finds the document on the Intranet that the remote device referenced, establishes communication with the Internet printer that the remote device uploaded information about, and prints the document on that printer according to its capabilities.



H INVENTION DISCLOSURE		COMPANY CONFIDENTIAL		PAGE 5 OF 12	
Signature of Witness(es): (Please try to obtain the signature of the person(s) to whom invention was first disclosed.)					
The invention was first explained to, and understood by, me (us) on this date: [ ]					
Full Name		Signature		Date of Signature	
Garth Frederick Schmeling		Garth F. Schmeling			
Full Name		Signature		Date of Signature	
Signature of Inventor(s): Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: [ ]					
Darrel D. Cherry		Darrel D. Cherry		ab	
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name

Detailed description of each step:

<b>H INVENTION DISCLOSURE</b>		COMPANY CONFIDENTIAL		PAGE <u>6</u> OF <u>12</u>	
<b>Signature of Witness(es):</b> <i>(Please try to obtain the signature of the person(s) to whom invention was first disclosed.)</i> The invention was first explained to, and understood by, me (us) on this date: [      ]					
Full Name	Signature	Date of Signature			
Garth Frederick Schmeling					
Full Name	Signature	Date of Signature			
<b>Signature of Inventor(s):</b> Pursuant to my (our) employment agreement, I (we) submit this disclosure on this date: [      ]					
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
	Darrel D. Cherry				
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name

**B. Advantages of the invention over what has been done before.**

The advantages over what has been done before is that this invention provides a secure printing transaction, allowing the user to securely access and print documents remotely without having those documents on their remote device or be accessible on the public internet. The main benefit of this advantage is that it allows users to print documents that are residing behind a company's firewall. Inventions that have been done before to allow remote printing do not use the Intranet server as an intermediary between the remote device and the printer as this one does. This invention has the remote device get the information from the printer and then have the Intranet server, which is behind the company firewall, set up and print the document to the remote printer.




The invention was first explained to, and understood by, me (us) on this date: [ ]

Garth Frederick Schmeling  
Full Name

Garth F. Schmeling  
Signature

Date of Signature

352434	Darrel D. Cherry				
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name
Employee No.	Name	Signature	Telnet	Mailstop	Entity & Lab Name

The main problem that this invention solves is providing a mechanism for a traveling user to print a document that is behind a firewall on a remote Internet connected printer. It allows a user to dynamically retrieve information about the printer that he wants to print to, then send that information to his Intranet server that will then print the document for him.



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- **Portability**—Access and control documents at any time, from any location
- **Confidence**—Wirelessly update repository documents on mobile device
- **Speed**—Immediate access to critical information

You're at a client's office, but the information you need is on your corporate server, thousands of miles away. No one is in the office to help and there is no phone line to plug your laptop into. So you simply use your handheld mobile device to find the document and enter your client's fax number. Minutes later, you're finalizing the deal.

## MobileDoc Components

MobileDoc has three main components:

- Server software, which provides the document services and document repository
- Client software that runs on portable thin client devices
- PC desktop software to manage the repository and provide the same functionality as your thin client software

## MobileDoc Technology Concepts

- MobileDoc uses tokens that appear as icons on a mobile device. Each token is a document reference rather than the document itself, which makes MobileDoc ideal for managing documents on a handheld device. Storage is not an issue, wireless transmission times are short and battery life is maximized.
- MobileDoc leverages the higher capacity of the wired network to deliver documents—which are automatically and transparently converted into the appropriate form for faxing. Files that are e-mailed are sent as attachments.
- Integrates with your organization's existing NT file system security.

## System Requirements

- Client Mobile Platforms: Motorola PageWriter™2000X and Timeport™P930 interactive communicators and Nokia 9110 Communicator™; WAP devices, Palm OS devices and other thin clients available in 3Q 2000.
- Desktop Software: Microsoft Windows 95 or later versions; Windows NT 4.0 or later versions
- Server: Windows NT 4.0 or later
- Number of documents accessible: unlimited

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